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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,933	03/26/2004	Kazuyoshi Umeda	59558.00024	6429

32294 7590 08/28/2006

SQUIRE, SANDERS & DEMPSEY L.L.P.
14TH FLOOR
8000 TOWERS CRESCENT
TYSONS CORNER, VA 22182

EXAMINER

JIMENEZ, MARC QUEMUEL

ART UNIT	PAPER NUMBER
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3726

DATE MAILED: 08/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/809,933

Applicant(s)

UMEDA, KAZUYOSHI

Examiner

Marc Jimenez

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 8-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3-9-06, 8-6-04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 17-19** are rejected under 35 U.S.C. 102(b) as being anticipated by Christian (US2736209).

Christian teaches a roller body **6**, a motor **12**, a reducer **43**, a rotor **54 or 8**, and ventilation passages **58** or below **8**.

Regarding claim 19, either one of **8 or 54** could be considered mounting flanges.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. **Claims 8-9** are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (hereinafter APA) in view of Mackmann (US2436930).

APA teaches a cooling mechanism (figure 6 of applicant's specification) for a motorized roller comprising: a roller body **10** of the motorized roller; a motor **M1** disposed inside the roller body **10**, the motor **M1** being housed in a motor casing, and a reducer **R1** which is disposed inside the roller body **10** and reduces the rotation of the motor **M1** to transmit the reduced rotation to the roller body **10**, the reducer **R1** being housed in a reducer casing **30**; wherein a reaction force to the driving force of the roller body **10** is able to be received, via the motor casing **M1** and the reducer casing **30**, by an external member which fixes the motor casing **M1** and the reducer casing **30** so that rotations of the casings are prevented.

APA teaches the invention cited above with the exception of having an air passage for guiding air in an axial direction from one end of the reducer to the other end is formed in an outer peripheral surface of the casing for the reducer.

Mackmann teaches an air passage **48** for guiding air in an axial direction from one end of the reducer **38** to the other end and is formed in an outer peripheral surface of the casing **38** for the reducer.

Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to have provided the invention of APA with an air passage for guiding air in an axial direction from one end of the reducer to the other end is formed in an outer peripheral surface of the casing for the reducer, in light of the teachings of Mackmann, in order to cool the reducer during operating conditions.

Regarding claim 9, it is noted that Mackmann also teaches a motor casing having air passages **33**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to have provided the invention of APA with an air passage, in light of the teachings of Mackmann, in order to effectively cool the motor during operating conditions.

5. **Claims 10-15** are rejected under 35 U.S.C. 103(a) as being unpatentable over APA in view of Mackmann as applied to claim 8 above, and further in view of Christian (US2736209).

APA/Mackmann teaches the invention cited above with the exception of having an air passage formed on an inner peripheral surface of the roller body.

Christian teaches an air passage **58** and below reference numeral **8** in figure 1 to cool the motor.

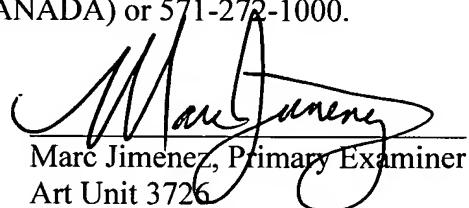
Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to have provided the invention of APA/Mackmann with an air passage formed on an inner peripheral surface of the roller body, in light of the teachings of Christian, in order provide a simple way to provide air passages for the motor assembly.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc Jimenez whose telephone number is (571) 272-4530. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bryant can be reached on (571) 272-4526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Marc Jimenez, Primary Examiner
Art Unit 3726

MJ